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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/558,469	04/24/2000	Jacob Oshins	2420	8636

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EXAMINER

PHAN, RAYMOND NGAN

ART UNIT	PAPER NUMBER
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2181

DATE MAILED: 10/02/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/558,469

Applicant(s)

OSHINS ET AL.

Examiner

Raymond Phan

Art Unit

2181

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☒ Claim(s) 24-27 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 6) ☐ Other: _____.

Part III DETAILED ACTION

Notice to Applicant(s)

1. This application has been examined. Claims 1-27 are pending.

Specification

2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-23 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Reneris (US NO. 5,903,894) in view of Sescila, III et al. (US No. 5,937,175).

In regard to claims 1, 15, Reneris discloses the method for performing resource translation comprising obtaining the description of the device (see col. 16, lines 24-55); determining the description of the device and providing the translation for the resource and configuring the resource based on the translator (see col.12, lines34-55). But Reneris does not specifically disclose the whether the cycles output by the resource requiring translation from one bus to another bus and if so, providing a translator for the resource. However Sescila, III et al. disclose the PCI bus to IEEE1394 bus translator to interpret the PCI bus cycles initiating by the PCI bus into the IEEE 1394 cycles (see col. 10, lines 1-19). Therefore, it

would have been obvious to a person of an ordinary skill in the art at the time the invention was made to have combined the translator of Sescila III et al. within the system of Reneris so as to leverage the large installation base of PCI devices and without modification.

In regard to claims 2, 21, Reneris discloses wherein the description of the device including reading hardware information (see col. 11, lines 45-56).

In regard to claims 3, 22, Reneris discloses wherein the obtaining a description of the device including constructing a namespace (see col. 12, lines 42-55).

In regard to claim 4, Reneris discloses wherein determining from the description including analyzing the namespace (see col. 15, lines 4-58).

In regard to claim 5, Reneris discloses the device is described in accordance with ACPI (see col. 11, lines 11-40) and wherein determining from the description including evaluating information in the current resources object (see col. 15, lines 4-30).

In regard to claim 6, Reneris discloses wherein determining from the description including looking for the address translation information in the description (see col. 11, lines 11-30).

In regard to claim 7, Reneris discloses wherein providing a translator for the resource including returning a table of functions (see col. 11, lines 19-40).

In regard to claims 8, 23, Reneris discloses wherein a translator for the resource including performing a translation (see col. 15, lines 31-41).

In regard to claim 9, Reneris discloses wherein a translator for resource including return type of information (see col. 17, lines 43-54).

In regard to claim 10, Reneris discloses wherein the type information corresponds to I/O (see col. 12, lines 42-64).

In regard to claim 11, Reneris discloses wherein the type information corresponds to memory (see col. 12, lines 42-64).

In regard to claim 12, Reneris further discloses locating the resource (see col. 12, lines 33-41).

In regard to claim 13, Sescila, III et al. disclose wherein configuring the resource based on the translator included telling the resource what cycles to issue to cause an appropriate I/O cycle on the other bus (see col. 16, lines 26-54).

In regard to claim 14, Sesicla, III et al. disclose enabling the resource (see col. 16, lines 48-54).

In regard to claim 16, Reneris discloses the bridge connecting the CPU and PCI bridge (see figure 1).

In regard to claim 17, Reneris discloses the bus bridge comprising a PCI to ISA bridge (see col. 8, lines 19-33).

In regard to claim 18, Reneris disclose the ACPI driver (see col. 12, lines 33-40).

In regard to claim 19, Reneris discloses the operating system (see col. 9, lines 61-67).

In regard to claim 20, Reneris discloses the PNP devices (see col. 1, lines 45-60).

Allowable Subject Matter

5. Claims 24-27 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

6. Claims 1-23 are rejected. Claims 24-27 are objected.

7. The prior arts made of record and not relied upon are considered pertinent to applicant's disclosure.

Lewis (US No. 6,167,511) discloses a method to reflect BIOS set up changes into ACPI machine language.

Abbondanzio et al. (US No. 5,890,011) disclose a method and system for dynamically translating bus addresses within a computer system.

Nijhawan (US No. 6,185,677) discloses an automatic generating of ACPI source language for peripheral resource configuration.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Raymond Phan, whose telephone number is (703) 306-2756. The examiner can normally be reached on Monday-Friday from 6:30AM- 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Wong can be reached on (703) 305-3477 or via e-mail addressed to peter.wong@uspto.gov. The fax phone number for this Group is (703) 746-7239.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [raymond.phan@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.


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Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

RP

Raymond Phan
9/25/02


RUPAL DHARIA
PRIMARY EXAMINER